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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				<i>Complete if Known</i>	
				Application Number	
				Filing Date	
				First Named Inventor	
				Group Art Unit	
Examiner Name					
Sheet	1	of	5	Attorney Docket Number	IMMR-060/04US
U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code ² (if known)		
XW	A1	6,300,936		Braun et al.	10/09/2001
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¹ Unique citation designation number.² See attached Kinds of U.S. Patent Documents.

Examiner Signature	/Xiao Wu/	Date Considered	05/14/2006
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for form I449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
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Sheet	2	of	5	IMMR-060/04US	

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Examiner Signature	/Xiao Wu/	Date Considered	05/14/2006
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				First Named Inventor	Erik J. SHAHOIAN
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Sheet	3	of	5	Attorney Docket Number	IMMR-060/04US
XW	A95	4,513,235		Acklam et al.	04/23/1985
	A96	4,414,984		Zarudiansky	11/15/1983
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Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T ⁴
		Office ¹	Number ²	Kind Code ³ (if known)			
	B1		WO 88/03319			01/30/2000	
	B2		WO 90/03113			07/23/1988	
	B3		WO 97/03333			08/28/1997	
	B4		WO 95/00788			08/03/1995	
	B5		0 636 634	A3		11/30/1994	
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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	C1	Badgrie, "Electric Control Loading - A Low Cost, High Performance Alternative," <i>Proceedings of Interservice/Industry Training Systems Conference</i> , pp. 247-254, November 6-8, 1990	
	C2	Iwata, "Pen-based Haptic Virtual Environment," 0 7803 1363 1/03 IEEE, pp. 387-392, 1993	
	C3	Russo, "The Design and Implementation of a Three Degrees of Freedom Force Output Joystick," <i>MIT Libraries Archives</i> pp. 1-121, May 1990, archived 8/14/90	

¹ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

² For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

³ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.

⁴ Applicant is to place a check mark here if English language Translation is attached.

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C5	Jones et al., "A perceptual analysis of stiffness," ISSN 0014 4810 Springer International (Springer-Verlag); Experimental Brain Research, Vol. 79, No. 1, pp. 150-156, 1990	
C6	Burdick et al., "Distributed Virtual Force Feedback, Lecture Notes for Workshop on Force Display in Virtual Environments and its Application to Robotic Teleoperation," 1991 IEEE International Conference on Robotics and Automation, pp. 25-44, 06/02/1991	
C7	Snow et al., "Model X Force Reflecting Hand Controller," NT Control No. NPO 17851; JPL Case No. 7248, pp. 1-4 with 45 pages of attachments, 06/15/1989	
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C20	McAffee et al., "Teleoperator Subsystem/Teleobot Demonstration - Force Reflecting Hand Controller Equipment Manual," JPL 1988, JPL D 6173	
C21	Minsky, "Computational Haptics: The Sandpaper System for Synthesizing Texture for a Force Feedback Display," Ph.D. Dissertation, MIT, June 1985, archived 7/6/05	
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Sheet	5	of	5	Attorney Docket Number	IMMR-060/04US
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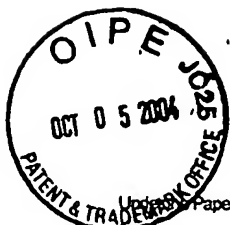
196327 v1/RE
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¹ Unique citation designation number.

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(1 of 2)

PTO/SB/08A (10-01)

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**INFORMATION DISCLOSURE
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Sheet 1 of 3

Complete if Known

Application Number	10/782,953
Filing Date	February 23, 2004
First Named Inventor	Erik J. Shahoian
Art Unit	2673
Examiner Name	Unassigned
Attorney Docket Number	IMMR060/04US

U.S. PATENT DOCUMENTS					
		Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
Examiner	Cite No. ¹	Number Kind Code ² (if known)			
XW ↓ 					

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		Country Code ³	Number ⁴	Kind Code ⁵ (if known)			
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¹ Applicant's unique citation designation number (optional). ² Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Attorney Docket Number	IMMR060/04US

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
		PATRICK, "Design, Construction, and Testing of a Fingertip Tactile Display for Interaction with Virtual and Remote Environments," Master of Science Thesis, MIT, Aug. 1996, archived Nov. 9, 1999.
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**INFORMATION DISCLOSURE
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Sheet **3** of **3****Complete if Known**

Application Number	10/782,953
Filing Date	February 23, 2004
First Named Inventor	Erik J. Shahoian
Art Unit	2673
Examiner Name	Unassigned
Attorney Docket Number	IMMR060/04US

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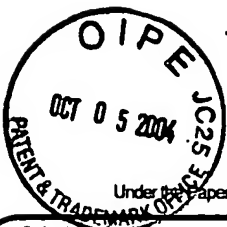
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Sheet 1 of 5

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		Number Kind Code ² (if known)			
XW		3,875,488	04-1975	Crocker et al.	
		4,436,188	03-1984	Jones	
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		4,804,016	08-1986	Joyce	
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		6,088,017	07-2000	Tremblay et al.	

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XW		EP	0085518	A1			
↓		EP	875819				
		WO	95/32459				
		WO	97/21160				
		WO	00/21071				

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